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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/750,417	12/27/2000	Stuart J. Clenaghan	6311-005	6939

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PROSKAUER ROSE LLP  
PATENT DEPARTMENT  
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NEW YORK, NY 10036-8299

EXAMINER

HAMILTON, LALITA M

ART UNIT	PAPER NUMBER
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3624

DATE MAILED: 03/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/750,417

Applicant(s)

CLENAGHAN ET AL.

Examiner

Lalita M Hamilton

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 January 2005.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9, 18-30, 36 and 38 is/are pending in the application.  
4a) Of the above claim(s) 10-17, 31-35, and 37 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-9, 18-30, 36 and 38 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### **Summary**

On December 9, 2004, a Restriction Requirement was sent to the Applicant. On January 6, 2005, the Applicant responded by electing group I, claims 1-9, 18-30, 36, and 38, with traverse. The remaining claims, 10-17, 31-35, and 37 are being withdrawn from further consideration.

### ***Election/Restrictions***

Claims 10-17, 31-35, and 37 are withdrawn from further consideration pursuant to 37 CFR 1.142(b).

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-9, 18-30, 36, and 38 are rejected under 35 U.S.C. 102(a) as being anticipated by Breen (6,615,188).

Breen discloses a computer-implemented method and corresponding system for online trading comprising processing order data associated with an issue of a debt instrument, at a server, receiving a plurality of orders requesting purchase of a debt instrument, at least a first one of the orders comprising size data specifying a non-zero order size that varies over a first range of potential market values of the debt instrument, establishing a market value of the debt instrument based on the plurality of orders, and

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determining an order size for the first order based on the established market value and the size data (col.7, lines 25-30 and col.8, lines 18-62); each of the plurality of orders comprises at least one order components selected from the group consisting of a market order component, a spread order component comprising said size data specifying said non-zero order size, and a switch order component (col.7, lines 25-30 and col.8, lines 18-62); an available allotment of the debt instrument among the plurality of orders ranking order components associated with the plurality of orders, determining a clearing spread associated with the ranked order components, for each order components at a spread less than the clearing spread, allocating the debt instrument at a demand size specified by the respective order component, and for each order components at a spread greater than the clearing spread, allocating the debt instrument based on a time-stamp associated with the respective order component (col.9, line 18 to col.10, line 25 and col.13, lines 20-40); the first order further comprises a market value specifier selected from the group consisting of a percentage of par, a coupon value, a spread value, and a yield to maturity (col.13, lines 20-40); the size data comprises a plurality of data sets, each data set comprising a market value and a demand quantity at said market value, and the plurality of sets representing a demand curve (col.9, line 18 to col.10, line 38); determining the demand amount comprises determining based on the data sets (col.9, line 18 to col.10, line 38); during a subscription period for a debt instrument, receiving at a server a purchase order request for an issue of a debt instrument, during the subscription period, forming an order book comprising an

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aggregate of the plurality of order request received at the server, the aggregate differentiating total purchase demand for different market values of the debt instrument, displaying the order book to an issuer of the debt instrument, upon request by the issuer, forming an updated order book, and displaying the updated order book to the issuer (col.7, lines 25-30; col.8, lines 18-62; and col.12, lines 1-27); each order request comprises a market value and an order size (col.7, lines 25-30 and col.18, lines 18-62); forming an updated order book comprises updating the aggregate of the plurality of order request (col.12, lines 1-27); the aggregate of the order request comprises a size of demand at a plurality of different price ranges (col.9, lines 18-61); at a server, establishing an issuer account associated with an issuer of a debt instrument, at the server establishing a plurality of management accounts each associated with a different one of a plurality of managing entities and each enabling establishment of sub-accounts, each sub-account associated with a primary market investor for the debt instrument, at the server, receiving requests from the managing entities to establish sub-accounts for primary market investors, receiving offers from the primary market investors for purchase of the debt instrument, generating an issuer order book comprising an aggregate of the offers received from the different primary market investors associated with the plurality of management accounts, and displaying the issuer order book to the issuer (col.7, lines 25-30; col.8, lines 18-62; and col.12, lines 1-27); configured to prevent access to the issuer order book by the managing entities and by the investors (col.11, lines 1-22---part of security system when setting up system); generating a plurality of managing entity order books each corresponding to one of the

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managing entities and each comprising an aggregate of the offers received from primary market investors associated with said one of the managing entities, displaying managing entity order books to the associated managing entity, and preventing access by managing entities to managing entity order books associated with other ones of the managing entities (col.8, lines 18-68 and col.11, lines 1-22---part of security system when setting up system); receiving at a server a plurality of offers for purchase of a debt instrument, at least one of the offers specifying a demand amount that is variable based on market value of the debt instrument, forming a dynamically updated order book comprising an aggregate of the plurality of offers, the aggregate differentiating total purchase demand at different purchase price levels, and displaying the dynamically updated order book to an issuer of the debt instrument (col.7, lines 25-30 and col.8, lines 18-62); a second one of the offers comprises an identification of a swap instrument and the method further comprises establishing a value of the swap instrument, the value being usable to satisfy a payment obligation associated with a purchase of the debt instrument in accordance with the second offer (col.7, lines 25-30 and col.8, lines 18-62); the first and the second offers are the same offer (col.7, lines 25-30 and col.8, lines 18-62); at the server, establishing an issuer account associated with an issuer of the debt instrument at a server, establishing a plurality of management accounts each associated with a different one of a plurality of managing entities and each enabling establishment of sub-accounts, each sub-account associated with a primary market investor for the debt instrument, at the server, receiving requests from the managing entities to establish sub-accounts for primary market investors, receiving from the

primary market investors the plurality of offers, generating an issuer order book comprising an aggregate of the offers, and displaying the issuer order book to the issuer (col.7, lines 25-30 and col.8, lines 18-62); a network interface operatively coupling the system to a plurality of primary market investor terminals, a data processor operatively coupled to the network interface and to a transaction database system, and a program storage media coupled to the processor and comprising instructions to configured the processor to receive debt instrument purchase orders from the primary market investor terminals, at least a first one of the purchase orders comprising data specifying a non-zero order size that varies over a first range of market values of the debt instrument, store purchase order data derived from received purchase orders in the transaction database system, aggregate the stored purchase order data to distinguish market demand for the debt instrument at a plurality of potential market values, establish a market value of the debt instrument based on the market demand at the plurality of potential market values, and determine the order size associated with the first one of the purchase orders based on the established market value (col.7, lines 25-30 and col.8, lines 18-62); the transaction database system comprises a database system selected from the group consisting of an in-memory database, a distributed database, a relational database, and a flat-file stored on a disk media (col.7, lines 35-62); the first purchase order further comprises data specifying a zero order size for a second range of market values (col.7, lines 25-30 and col.8, lines 18-62); the data specifying the non-zero order size comprises a plurality of data sets, each data set comprising a market value and a demand quantity at said market value, and wherein the instructions to configure the

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processor comprise instructions to vary the order size based on the plurality of data sets (col.7, lines 25-30; col.7, line 62 to col.8, lines 5; and col.8, lines 18-62); the instructions to aggregate the purchase order data comprise instructions to format the aggregated purchase order data for presentation to an issuer and the instructions to establish a market value comprise instructions to present the aggregated purchase order data to an issuer and instructions to receive a selection of a market value in response to the presentation of the aggregated purchase order data (col.7, lines 25-30; col.7, line 62 to col.8, lines 5; and col.8, lines 18-62); the aggregate of the order data comprises a sum of demand at a plurality of different price ranges (col.7, lines 25-30; col.7, line 62 to col.8, lines 5; and col.8, lines 18-62); at least a first one of the purchase offer comprises data specifying a demand amount that is variable based on market value of the debt instrument and the instructions to configure the processor further comprise instructions to form a dynamically updated order book comprising an aggregate of the plurality of offers, the aggregate differentiating total purchase demand at different purchase price levels, display the order book to an issuer of the debt instrument, receive data indicating a market value for the debt instrument in response to display of the order book, and the instructions to establish the market value comprise instructions to establish based on the receipt of the data indicating the market value (col.7, lines 25-30; col.7, line 62 to col.8, lines 5; and col.8, lines 18-62); and the instructions to configure the processor further comprising instructions to establish an issuer account associated with an issuer of the debt instrument, establish a plurality of management accounts each associated with a different one of a plurality of managing entities and each enabling establishment



of sub-accounts, each sub-account associated with a primary market investor for the debt instrument, receive requests from the managing entities to establish sub-accounts for primary market investors, generate an issuer order book comprising an aggregate of the purchase orders, displaying the issuer order book to the issuer but not to the managing entities, generate a plurality of managing entity order books each corresponding to a managing entities and each comprising an aggregate of purchase orders received from primary market investors associated with said one of the managing entities, display the managing entity order books to the associated managing entity, and prevent access by managing entities to managing entity order books associated with other ones of the managing entities (col.7, lines 25-30; col.7, line 62 to col.8, lines 5; and col.8, lines 18-62).

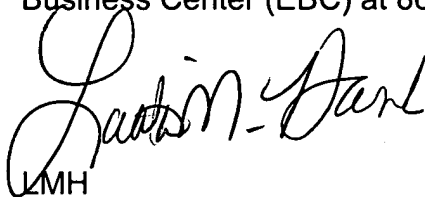
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lalita M Hamilton whose telephone number is (703) 306-5715. The examiner can normally be reached on Tuesday-Thursday (8:30-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on (703) 308-1065. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
LMH